**Лабораторная работа №2 по предмету**

**<<Разработка ПО систем управления>>**

**Отчет**

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1. *год*

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# Создание директорий в папке проекта

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2

$ mkdir alice

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2

$ mkdir bob

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2

$ cd alice

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice

$ mkdir project

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice

$ cd project

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project

В папке проекта были созданы каталоги Bob и Alice

# Инициализация репозитария и настройка Git

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project

$ git init

Initialized empty Git repository in C:/Users/markn/OneDrive/Desktop/Lab2/alice/project/.git/

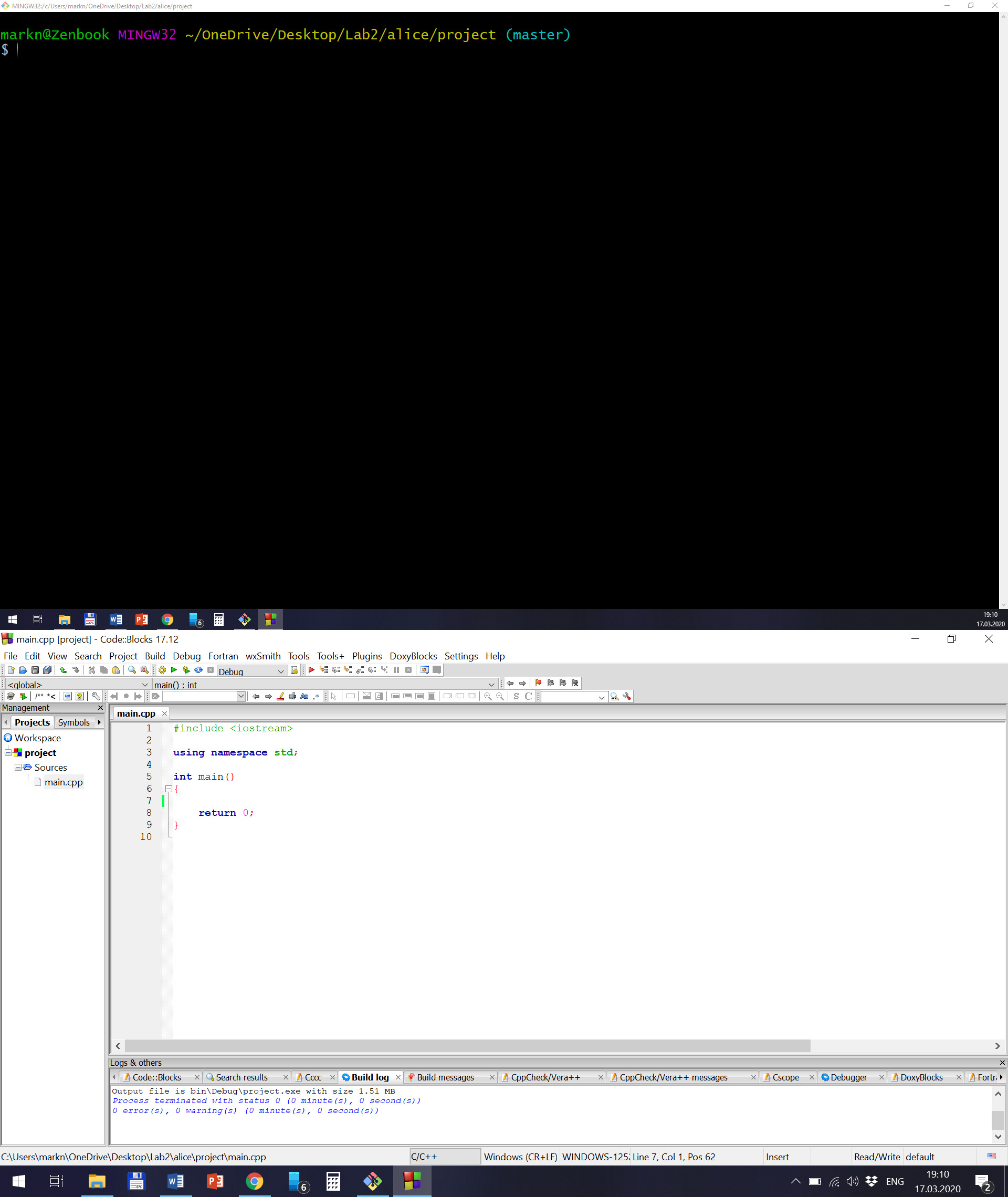
markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

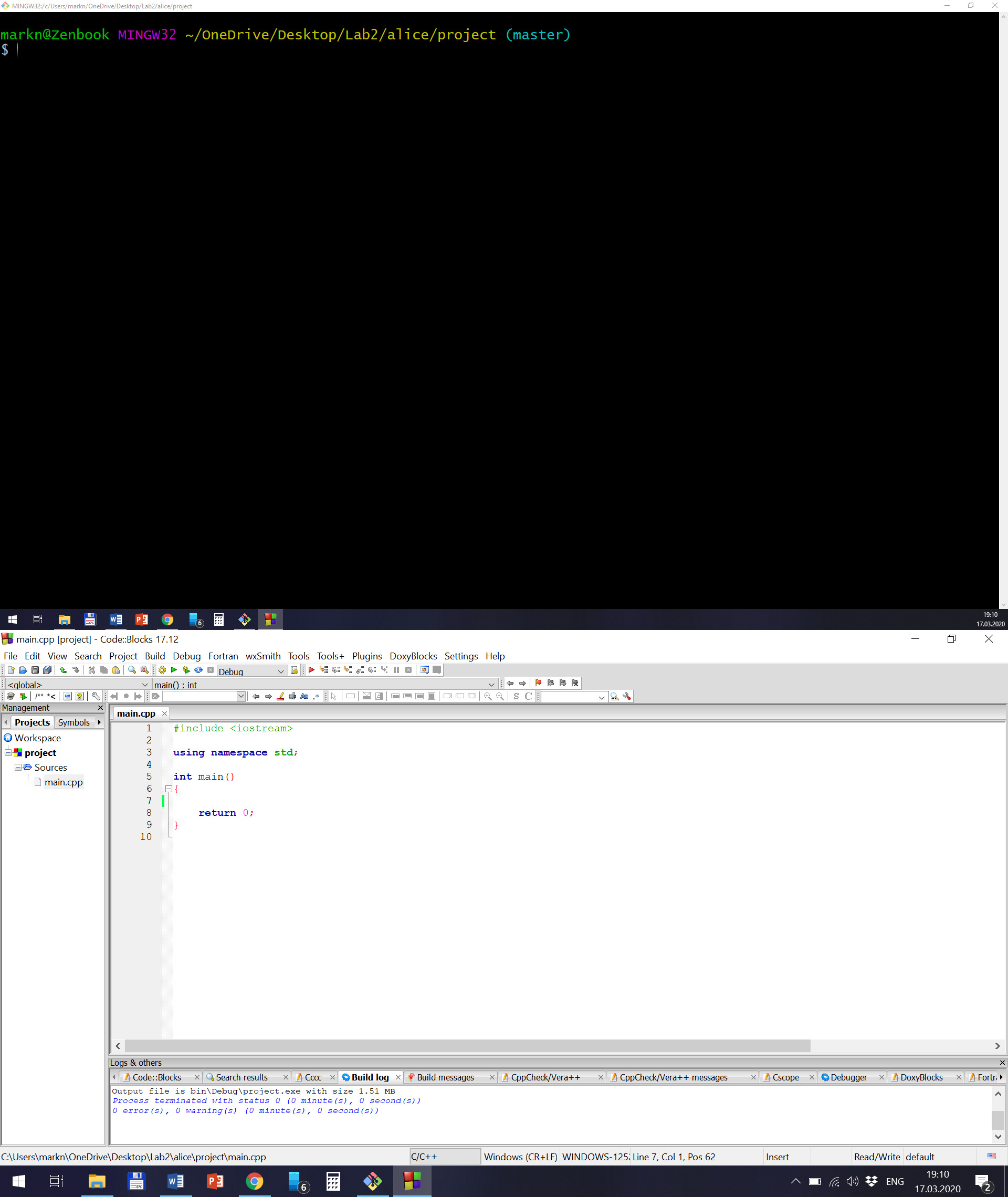
$ git config user.name 'Alice (MarkelovNA)'

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git config user.email 'alice@example.com'

Указание имени пользователя и его электронной почты. Инициация репозитария в данном каталоге.





К приглашению командной строки добавилось (master).

# Создание коммитов и занесение файлов под контроль версий

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git status

On branch master

No commits yet

Untracked files:

(use "git add ..." to include in what will be committed)

bin/

main.cpp

obj/

project.cbp

nothing added to commit but untracked files present (use "git add" to track)

При выполнении команды git status выводится следующее сообщение:

На ветке мастер пока нет коммитов, отображаются неотслеживаемые файлы. <<Ничего не добавлено в коммит, используйте git add, чтобы сделать файл отслеживаемым>>

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git add main.cpp

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git status

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached ..." to unstage)

new file: main.cpp

Untracked files:

(use "git add ..." to include in what will be committed)

bin/

obj/

project.cbp

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git commit -m 'code: beggining'

[master (root-commit) 81b9bfa] code: beggining

1 file changed, 9 insertions(+)

create mode 100644 main.cpp

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git add project.cbp

warning: LF will be replaced by CRLF in project.cbp.

The file will have its original line endings in your working directory

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git commit -m 'code: built'

[master 7db85d0] code: built

1 file changed, 42 insertions(+)

create mode 100644 project.cbp

Добавление файла main.cpp и создание с ним коммита “beginning”. Затем добавление файла project.cbp и создание с ним коммита “built”.

# Создание коммитов с изменениями разными способами

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git add -u

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git commit -m "code: input"

[master 895bec0] code: input

1 file changed, 3 insertions(+)

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git add main.cpp

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git commit -m 'code: sum'

[master c50cb7d] code: sum

1 file changed, 2 insertions(+)

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git add main.cpp

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git commit -m 'code: subtraction'

[master a15069a] code: subtraction

1 file changed, 2 insertions(+), 1 deletion(-)

Создание коммитов с суммой и разностью

# Игнорирование файлов

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git status

On branch master

Untracked files:

(use "git add ..." to include in what will be committed)

.gitignore

project.depend

nothing added to commit but untracked files present (use "git add" to track)

Занесение bin и obj в gitignore

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git add -u

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git add .gitignore

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git commit -m 'code: git'

[master 2d3ef80] code: git

1 file changed, 2 insertions(+)

create mode 100644 .gitignore

Создание коммита с gitignore

# Работа с журналом репозитария

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git log --stat

commit 2d3ef80ab82ce4d0df26745633fb1e15fff078d7 (HEAD -> master)

Author: Alice (MarkelovNA)

Date: Tue Mar 17 19:39:54 2020 +0300

code: git

.gitignore | 2 ++

1 file changed, 2 insertions(+)

commit a15069a44ee0200dbc8d498dd533d4c5ceb66885

Author: Alice (MarkelovNA)

Date: Tue Mar 17 19:32:55 2020 +0300

code: subtraction

main.cpp | 3 ++-

1 file changed, 2 insertions(+), 1 deletion(-)

commit c50cb7d00efb3d98e1266e8ff49f95b7fdee8505

Author: Alice (MarkelovNA)

Date: Tue Mar 17 19:30:24 2020 +0300

code: sum

main.cpp | 2 ++

1 file changed, 2 insertions(+)

commit 895bec0acbfeb7f7b1d90112c008c58bf733b57a

Author: Alice (MarkelovNA)

Date: Tue Mar 17 19:27:24 2020 +0300

code: input

main.cpp | 3 +++

1 file changed, 3 insertions(+)

commit 7db85d0543740156950fd3617ccaa228a3726052

Author: Alice (MarkelovNA)

Date: Tue Mar 17 19:18:50 2020 +0300

Просмотр коммитов

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git log --oneline --decorate

2d3ef80 (HEAD -> master) code: git

a15069a code: subtraction

c50cb7d code: sum

895bec0 code: input

7db85d0 code: built

81b9bfa code: beggining

Компактный просмотр

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git show HEAD

commit 2d3ef80ab82ce4d0df26745633fb1e15fff078d7 (HEAD -> master)

Author: Alice (MarkelovNA)

Date: Tue Mar 17 19:39:54 2020 +0300

code: git

diff --git a/.gitignore b/.gitignore

new file mode 100644

index 0000000..4c7473d

--- /dev/null

+++ b/.gitignore

@@ -0,0 +1,2 @@

+/bin

+/obj

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git show master

commit 2d3ef80ab82ce4d0df26745633fb1e15fff078d7 (HEAD -> master)

Author: Alice (MarkelovNA)

Date: Tue Mar 17 19:39:54 2020 +0300

code: git

diff --git a/.gitignore b/.gitignore

new file mode 100644

index 0000000..4c7473d

--- /dev/null

+++ b/.gitignore

@@ -0,0 +1,2 @@

+/bin

+/obj

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git show 4c747

/bin

/obj

Просмотр коммитов по тегам

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git log --oneline --decorate

2d3ef80 (HEAD -> master) code: git

a15069a code: subtraction

c50cb7d code: sum

895bec0 code: input

7db85d0 code: built

81b9bfa code: beggining

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git diff HEAD~5 Head~1

diff --git a/main.cpp b/main.cpp

index 85cda05..95d4da9 100644

--- a/main.cpp

+++ b/main.cpp

@@ -4,6 +4,12 @@ using namespace std;

int main()

{

+ cout << "Enter A and B: ";

+ int a, b;

+ cin >> a >> b;

+

+ cout << "A + B = " << a + b << '\n'

+ << "A - B = " << a - b << '\n';

return 0;

}

diff --git a/project.cbp b/project.cbp

new file mode 100644

index 0000000..ad8f6e9

--- /dev/null

+++ b/project.cbp

@@ -0,0 +1,42 @@

Разница между первым коммитои и коммитом, где добавляется разность

# Обмен кодом через удаленное хранилище

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git remote add origin https://github.com/MarkelovNA/Lab2.git

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git push -u origin master

Enumerating objects: 18, done.

Counting objects: 100% (18/18), done.

Delta compression using up to 8 threads

Compressing objects: 100% (16/16), done.

Writing objects: 100% (18/18), 2.10 KiB | 537.00 KiB/s, done.

Total 18 (delta 2), reused 0 (delta 0)

remote: Resolving deltas: 100% (2/2), done.

To https://github.com/MarkelovNA/Lab2.git

\* [new branch] master -> master

Branch 'master' set up to track remote branch 'master' from 'origin'.

Загрузка на GitHub

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git remote -v

origin https://github.com/MarkelovNA/Lab2.git (fetch)

origin https://github.com/MarkelovNA/Lab2.git (push)

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ cd ..

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice

$ cd ..

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2

$ cd bob

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob

$ mkdir project

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob

$ cd project

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project

$ cd ..

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob

$ git clone https://github.com/MarkelovNA/Lab2.git project

Cloning into 'project'...

remote: Enumerating objects: 18, done.

remote: Counting objects: 100% (18/18), done.

remote: Compressing objects: 100% (14/14), done.

remote: Total 18 (delta 2), reused 18 (delta 2), pack-reused 0

Unpacking objects: 100% (18/18), done.

Копирование проекта на машину Боба

# Совместная работа над проектом

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git add main.cpp

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git commit -m 'code: multiplication'

[master 9cc9413] code: multiplication

1 file changed, 3 insertions(+)

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git log --stat

commit 9cc94136ccfd788c369321109a36ed4230fc0f51 (HEAD -> master)

Author: Bob (MarkelovNA)

Date: Tue Mar 17 22:18:54 2020 +0300

code: multiplication

main.cpp | 3 +++

1 file changed, 3 insertions(+)

commit 2d3ef80ab82ce4d0df26745633fb1e15fff078d7 (origin/master, origin/HEAD)

Author: Alice (MarkelovNA)

Date: Tue Mar 17 19:39:54 2020 +0300

code: git

.gitignore | 2 ++

1 file changed, 2 insertions(+)

Создание коммита от имени Боба

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git push

Enumerating objects: 5, done.

Counting objects: 100% (5/5), done.

Delta compression using up to 8 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 396 bytes | 396.00 KiB/s, done.

Total 3 (delta 1), reused 0 (delta 0)

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

To https://github.com/MarkelovNA/Lab2.git

2d3ef80..9cc9413 master -> master

Отправка на GitHub

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ cd ~/OneDrive/Desktop/Lab2/alice/project

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git fetch

remote: Enumerating objects: 5, done.

remote: Counting objects: 100% (5/5), done.

remote: Compressing objects: 100% (2/2), done.

remote: Total 3 (delta 1), reused 3 (delta 1), pack-reused 0

Unpacking objects: 100% (3/3), done.

From https://github.com/MarkelovNA/Lab2

2d3ef80..9cc9413 master -> origin/master

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git diff

warning: LF will be replaced by CRLF in project.cbp.

The file will have its original line endings in your working directory

diff --git a/project.cbp b/project.cbp

index ad8f6e9..7de31be 100644

--- a/project.cbp

+++ b/project.cbp

@@ -32,6 +32,7 @@

+

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git log --oneline --decorate --all --graph

\* 9cc9413 (origin/master) code: multiplication

\* 2d3ef80 (HEAD -> master) code: git

\* a15069a code: subtraction

\* c50cb7d code: sum

\* 895bec0 code: input

\* 7db85d0 code: built

\* 81b9bfa code: beggining

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git pull --ff-only

Updating 2d3ef80..9cc9413

Fast-forward

main.cpp | 3 +++

1 file changed, 3 insertions(+)

Загрузка изменений на машине Алисы

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git log --oneline --decorate --all --graph

\* 9cc9413 (HEAD -> master, origin/master) code: multiplication

\* 2d3ef80 code: git

\* a15069a code: subtraction

\* c50cb7d code: sum

\* 895bec0 code: input

\* 7db85d0 code: built

\* 81b9bfa code: beggining

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git add main.cpp

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git commit -m 'code: division'

[master 269f19b] code: division

1 file changed, 1 insertion(+), 1 deletion(-)

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git push

Enumerating objects: 5, done.

Counting objects: 100% (5/5), done.

Delta compression using up to 8 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 395 bytes | 197.00 KiB/s, done.

Total 3 (delta 1), reused 0 (delta 0)

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

To https://github.com/MarkelovNA/Lab2.git

9cc9413..269f19b master -> master

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ cd ~/OneDrive/Desktop/Lab2/bob/project

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git fetch

remote: Enumerating objects: 5, done.

remote: Counting objects: 100% (5/5), done.

remote: Compressing objects: 100% (2/2), done.

remote: Total 3 (delta 1), reused 3 (delta 1), pack-reused 0

Unpacking objects: 100% (3/3), done.

From https://github.com/MarkelovNA/Lab2

9cc9413..269f19b master -> origin/master

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git pull --ff-only

Updating 9cc9413..269f19b

Fast-forward

main.cpp | 2 +-

1 file changed, 1 insertion(+), 1 deletion(-)

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git log --oneline --decorate --all --graph

\* 269f19b (HEAD -> master, origin/master, origin/HEAD) code: division

\* 9cc9413 code: multiplication

\* 2d3ef80 code: git

\* a15069a code: subtraction

\* c50cb7d code: sum

\* 895bec0 code: input

\* 7db85d0 code: built

\* 81b9bfa code: beggining

Перенос проекта Бобу

# Разрешение конфликтов при совместной работе

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ cd ~/OneDrive/Desktop/Lab2/alice/project

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git add main.cpp

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git commit -m 'code: format output'

[master 0bc941a] code: format output

1 file changed, 3 insertions(+), 4 deletions(-)

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git push

Enumerating objects: 5, done.

Counting objects: 100% (5/5), done.

Delta compression using up to 8 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 388 bytes | 388.00 KiB/s, done.

Total 3 (delta 1), reused 0 (delta 0)

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

To https://github.com/MarkelovNA/Lab2.git

269f19b..0bc941a master -> master

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ cd ~/OneDrive/Desktop/Lab2/bob/project

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git fetch

remote: Enumerating objects: 5, done.

remote: Counting objects: 100% (5/5), done.

remote: Compressing objects: 100% (2/2), done.

remote: Total 3 (delta 1), reused 3 (delta 1), pack-reused 0

Unpacking objects: 100% (3/3), done.

From https://github.com/MarkelovNA/Lab2

269f19b..0bc941a master -> origin/master

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git pull --ff-only

Updating 269f19b..0bc941a

Fast-forward

main.cpp | 7 +++----

1 file changed, 3 insertions(+), 4 deletions(-)

Приведение последнего коммита к форматному виду

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git add main.cpp

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git commit -m 'code: max'

[master 0e912d3] code: max

1 file changed, 8 insertions(+), 3 deletions(-)

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git push

Enumerating objects: 5, done.

Counting objects: 100% (5/5), done.

Delta compression using up to 8 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 415 bytes | 415.00 KiB/s, done.

Total 3 (delta 1), reused 0 (delta 0)

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

To https://github.com/MarkelovNA/Lab2.git

0bc941a..0e912d3 master -> master

Коммит с поиском максимума на машине Алисы

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git add main.cpp

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git commit -m 'code: min'

[master 860a505] code: min

1 file changed, 5 insertions(+)

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git push

To https://github.com/MarkelovNA/Lab2.git

! [rejected] master -> master (fetch first)

error: failed to push some refs to 'https://github.com/MarkelovNA/Lab2.git'

hint: Updates were rejected because the remote contains work that you do

hint: not have locally. This is usually caused by another repository pushing

hint: to the same ref. You may want to first integrate the remote changes

hint: (e.g., 'git pull ...') before pushing again.

hint: See the 'Note about fast-forwards' in 'git push --help' for details.

Попытка отправки коммита Боба с поиском минимума

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git pull

remote: Enumerating objects: 5, done.

remote: Counting objects: 100% (5/5), done.

remote: Compressing objects: 100% (2/2), done.

remote: Total 3 (delta 1), reused 3 (delta 1), pack-reused 0

Unpacking objects: 100% (3/3), done.

From https://github.com/MarkelovNA/Lab2

0bc941a..0e912d3 master -> origin/master

Auto-merging main.cpp

hint: Waiting for your editor to close the file... 1 [sig] bash 7872! sig

packet::process: Suppressing signal 18 to win32 process (pid 9136)

203357 [sig] bash 7872! sigpacket::process: Suppressing signal 18 to win32 pro

cess (pid 9136)

Merge made by the 'recursive' strategy.

main.cpp | 11 ++++++++---

1 file changed, 8 insertions(+), 3 deletions(-)

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git log --oneline --decorate --all --graph

\* c2a916d (HEAD -> master) Merge branch 'master' of https://github.com/Markelo

vNA/Lab2

|\

| \* 0e912d3 (origin/master, origin/HEAD) code: max

\* | 860a505 code: min

|/

\* 0bc941a code: format output

\* 269f19b code: division

\* 9cc9413 code: multiplication

\* 2d3ef80 code: git

\* a15069a code: subtraction

\* c50cb7d code: sum

\* 895bec0 code: input

\* 7db85d0 code: built

\* 81b9bfa code: beggining

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git rebase origin/master

First, rewinding head to replay your work on top of it...

Applying: code: min

Using index info to reconstruct a base tree...

M main.cpp

Falling back to patching base and 3-way merge...

Auto-merging main.cpp

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git rebase origin/master

Current branch master is up to date.

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git push

Enumerating objects: 5, done.

Counting objects: 100% (5/5), done.

Delta compression using up to 8 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 381 bytes | 381.00 KiB/s, done.

Total 3 (delta 1), reused 0 (delta 0)

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

To https://github.com/MarkelovNA/Lab2.git

0e912d3..957f813 master -> master

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/bob/project (master)

$ git log --oneline --decorate --all --graph

\* 957f813 (HEAD -> master, origin/master, origin/HEAD) code: min

\* 0e912d3 code: max

\* 0bc941a code: format output

\* 269f19b code: division

\* 9cc9413 code: multiplication

\* 2d3ef80 code: git

\* a15069a code: subtraction

\* c50cb7d code: sum

\* 895bec0 code: input

\* 7db85d0 code: built

\* 81b9bfa code: beggining

Отправка в удаленное хранилище и синхронизация с мастером

# Использование веток

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git branch double

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git checkout double

Switched to branch 'double'

M main.cpp

M project.cbp

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (double)

$ git add main.cpp

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (double)

$ git commit -m 'code: double'

[double dac385a] code: double

1 file changed, 1 insertion(+), 1 deletion(-)

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (double)

$ git checkout master

Switched to branch 'master'

M project.cbp

Your branch is up to date with 'origin/master'.

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git merge double

Updating 0e912d3..dac385a

Fast-forward

main.cpp | 2 +-

1 file changed, 1 insertion(+), 1 deletion(-)

Создание коммита на ветке double, а затем её слияние с веткой master

markn@Zenbook MINGW32 ~/OneDrive/Desktop/Lab2/alice/project (master)

$ git log --oneline --decorate --all --graph

\* dac385a (HEAD -> master, double) code: double

\* 0e912d3 (origin/master) code: max

\* 0bc941a code: format output

\* 269f19b code: division

\* 9cc9413 code: multiplication

\* 2d3ef80 code: git

\* a15069a code: subtraction

\* c50cb7d code: sum

\* 895bec0 code: input

\* 7db85d0 code: built

\* 81b9bfa code: beggining

История всех веток